



High Temperature, UL 94 HF-1, HBF Rated PVC Foam Specification Data



DESCRIPTION

Foam Seal 70HT UL is a high temperature, low density, industrial, closed cell PVC foam formulated to conform to UL 94 HF-1 (2.4 – 5.28 mm) and HBF (9.5 mm) and is a recognized component of Underwriters Laboratories®.

Foam Seal 70HT UL is Sulphur free to eliminate fogging and low VOC to eliminate outgassing. Foam Seal 70HT UL is California Prop 65 compliant and UV resistant. ¹ Test results demonstrate that Foam Seal 70HT UL can be classified as 2B0 as specified by ASTM D-1056.

FEATURES

- Remains pliable from -40°F to 230°F (-34°C to 110°C)

BACK STRIPPING

Also known as reverse wrapping. Foam Seal manufactures the foam with the adhesive side exposed. The length is determined with the foam used in this manner. When the use requires the adhesive side to be against the paper, the product must be reverse wrapped, so the uncoated foam is exposed. This causes a loss of yield in length. The reason for this loss is that the configuration of the foam is changed because the foam is compressed onto a shorter length of liner. The loss will be equal to the outer circumference of the material minus 10 inches.

STORAGE

Product shelf life begins on the date of production as referenced by the lot number. Foam Seal 70HT UL has a shelf life of 6 months with adhesive and 2 years without adhesive when stored at or below 75°F (24°C).

ADDITIONAL INFORMATION

Foam Seal, a division of Novagard, believes that the information provided is a true and accurate description of the typical characteristics of the product; however, it is the responsibility of the individual user to thoroughly test the product in their specific application to determine performance, efficacy, and safety. ¹Additional UV stabilizers can be added to any Foam Seal product if required for your application.

PRODUCT SPECIFICATIONS*

Parameter	Condition	Specification
Gauge (Thickness)	1/16" to <1/8" 1/8" to <3/16" 3/16" to 3/8"	+/- 20% +/- 15% +/- 10%
Width (Rolls)	3/16" to <2" wide 2" to 54" wide	+/- 1/32" +/- 1/16"
Length	≤ 50' long > 50' long	0" to + 6" - 1% to + 2 %
Adhesion	Stainless steel	12 oz /in minimum Typical value: >30 oz/in

TYPICAL PROPERTIES*

Parameter	Test Method	Typical Values
Density (lbs./cu ft)	1/16" – 3/8"	6.2 - 10.0
Hardness (Shore "00")	ASTM D2240	25
Force to Compress @ 25%	ASTM D1667	1.52 psi (10.48 kPa)
Compression Deflection	ASTM D1667	0.74 psi (5.10 kPa)
Compression Set		11.96%
Water Absorption	ASTM D1056	38%
Tensile Strength (Die A)	ASTM D412	21 psi (144.79 kPa)
Elongation (%) Without Adhesive	ASTM D412	210%

CERTIFICATIONS

Parameter	Test Method	Typical Values
UL	94 HF-1/HBF	E 112126 (QMFZ2)

*Foam without adhesive or liner unless noted. Specifications based on a sample size of three to five. Specifications are subject to change without notice.

**The customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for the customer's application.